

205522US-2



#3

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF:

Makoto NAGAI et al.

: GROUP ART UNIT: NOT ASSIGNED

SERIAL NO: 09/822,344

FILED: April 2, 2001

FOR: A DRIVING METHOD FOR...

LETTER TO THE OFFICIAL DRAFTSMAN

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

SIR:

In response to the Notice to File Missing Parts of Nonprovisional Application, attached hereto please find 27 sheets of Substitute Formal Drawings. It is requested that the enclosed 27 sheets of Substitute Formal Drawings be entered to replace the drawings previously filed in this application.

Respectfully submitted,

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22850

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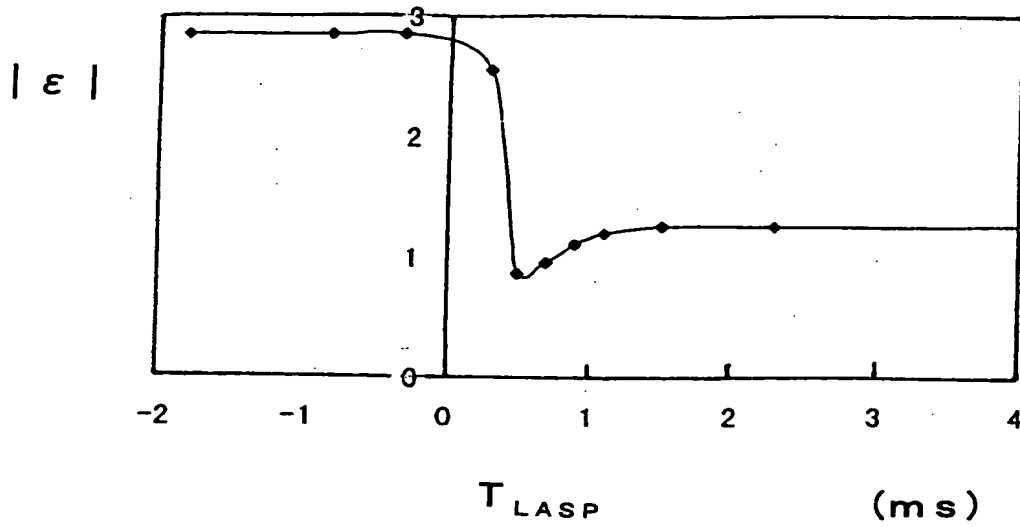
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Fig. 1



* "0 ms" : At Power Off State

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The graph shows the reflectance of PL and HO signals as a function of wavelength. The PL signal (open triangles) has a broad peak around 550 nm. The HO signal (various symbols) shows a sharp dip around 450 nm. The delay times for the HO signal are 0.4ms, 1ms, 2ms, 8ms, 40ms, and 100ms. As the delay time increases, the HO signal's dip becomes broader and shallower, and its overall reflectance level increases, converging towards the PL signal's level at longer wavelengths.

Fig. 3

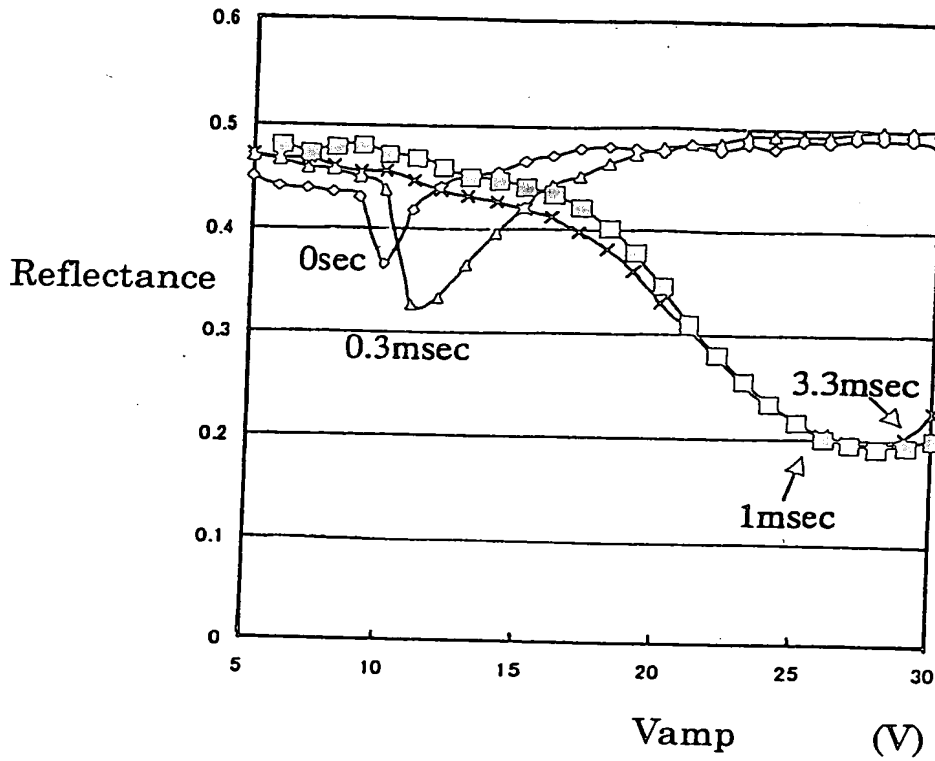


Fig. 4

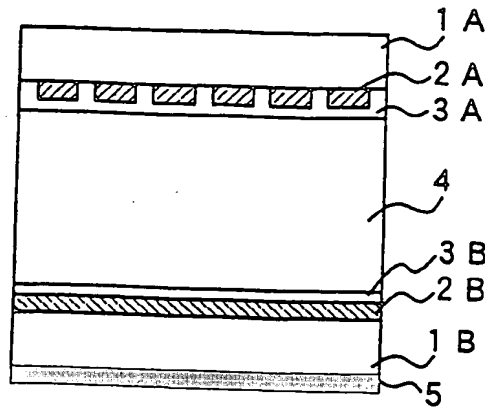


Fig. 5

T-pulse=13.2 ms

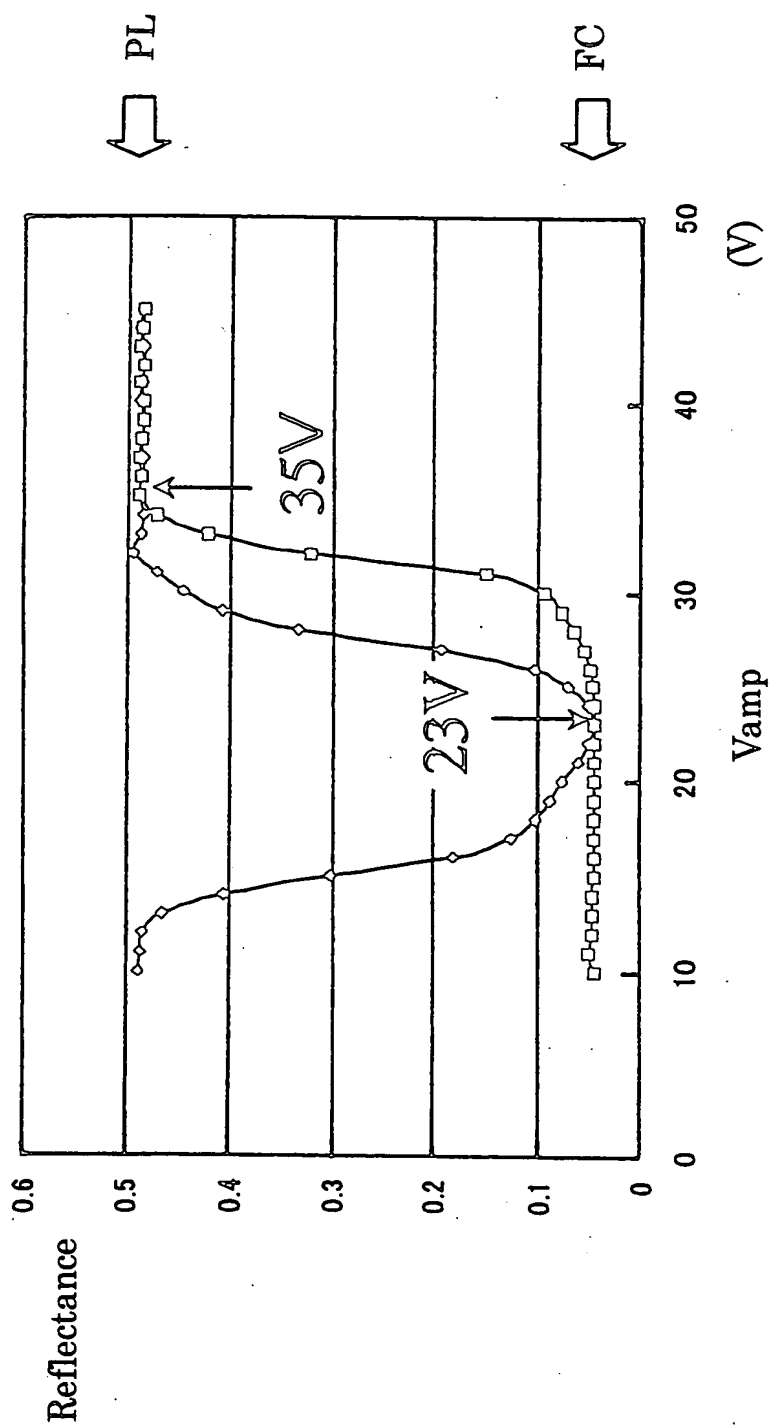


Fig. 6

T-pulse=6.6ms

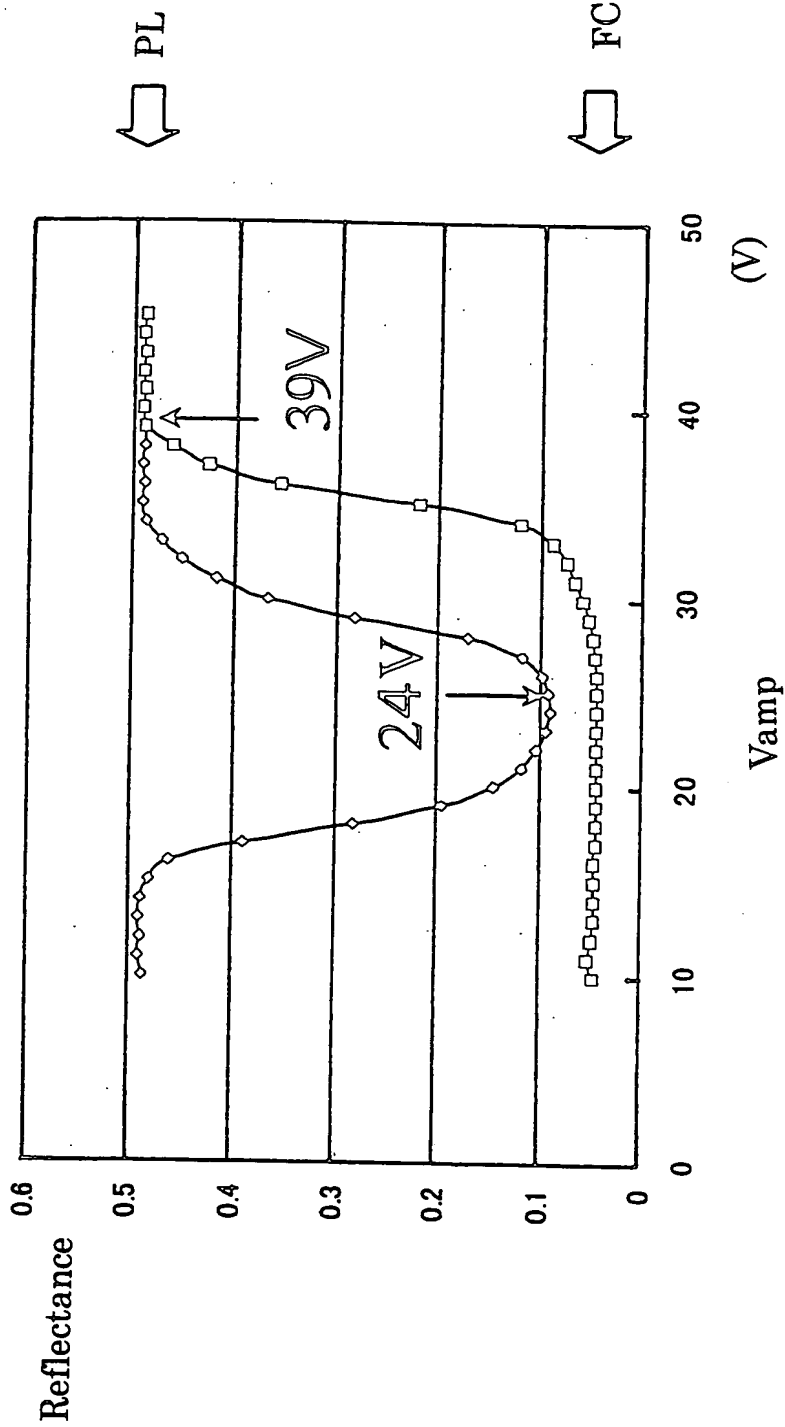


Fig. 7

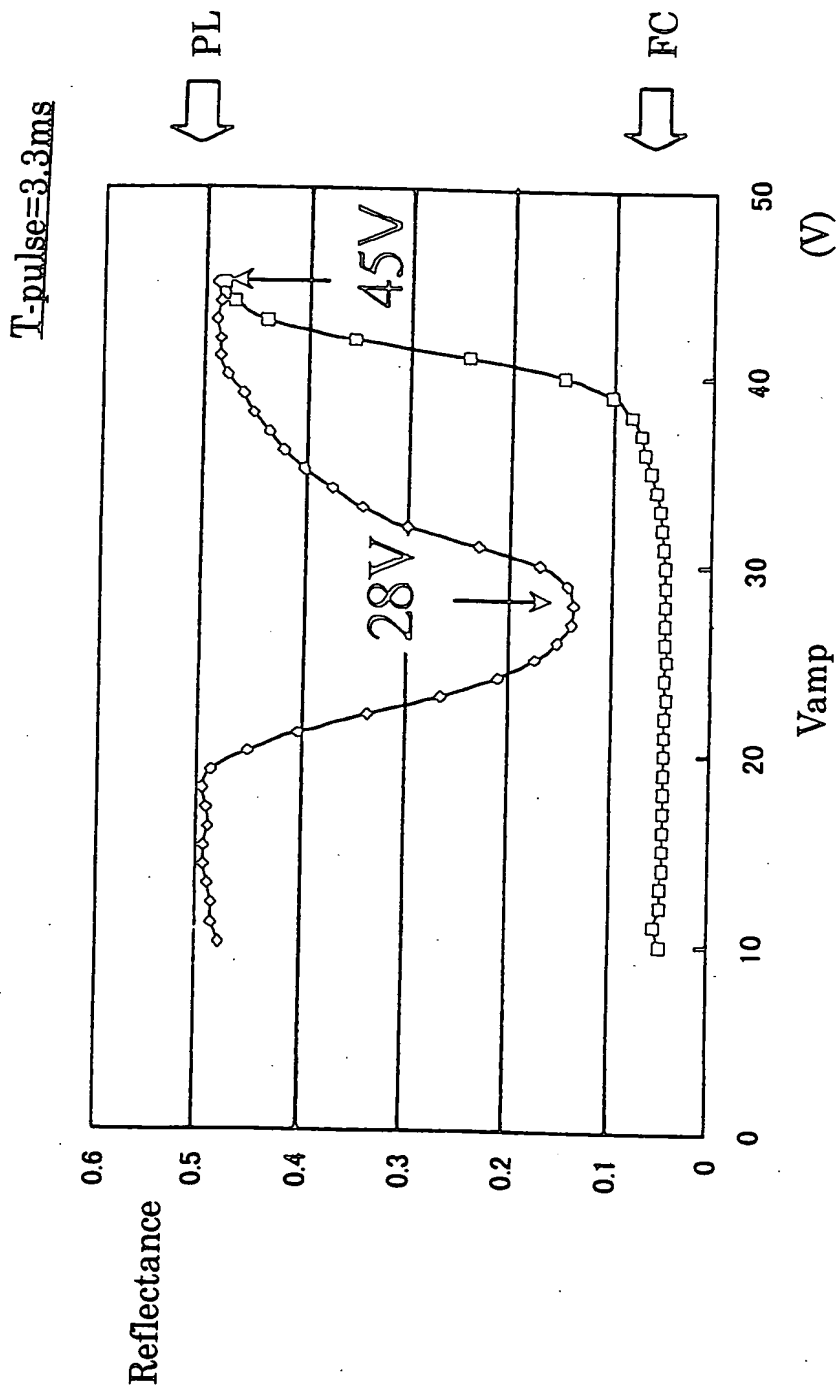


Fig. 8

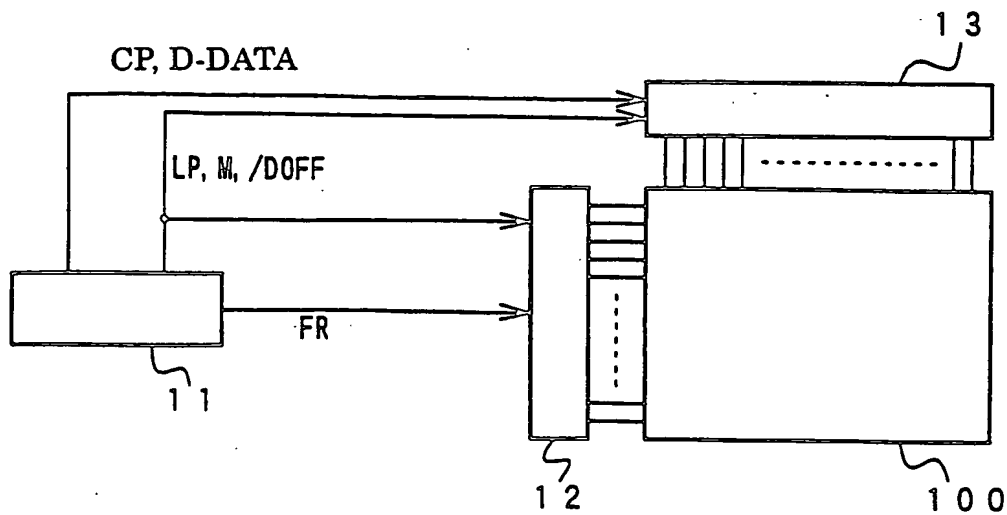
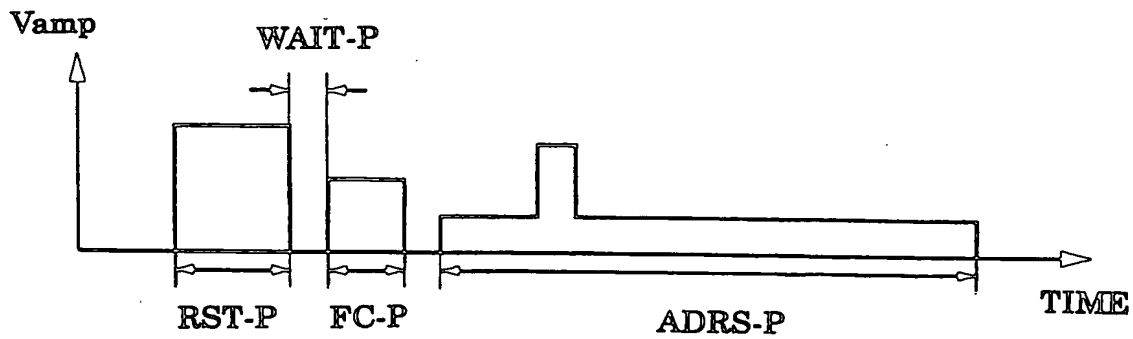
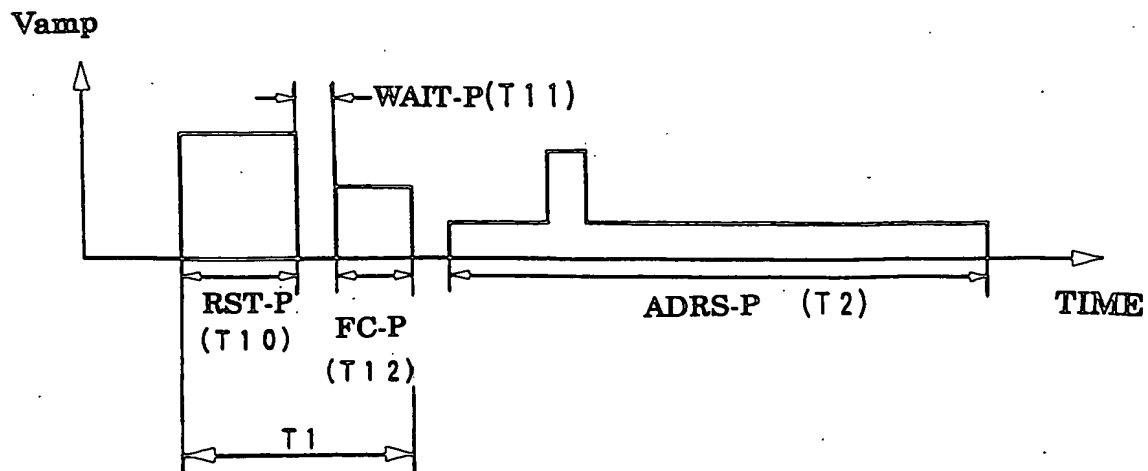


Fig. 9



(A)



(B)

Fig. 10

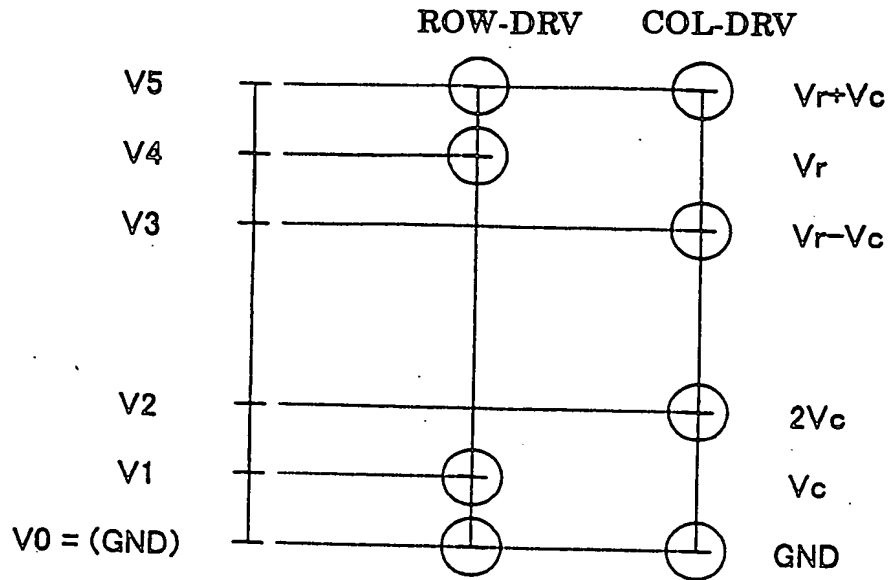


Fig. 11

ROW-DRV

/DOFF	M	SEL/NON-SEL	V-OUT
H	L	SEL	V5
H	H	SEL	V0
H	L	NON-SEL	V1
H	H	NON-SEL	V4
L	X	X	V0

COL-DRV

/DOFF	M	DATA	V-OUT
H	L	H	V0
H	H	H	V5
H	L	L	V2
H	H	L	V3
L	X	X	V0

Fig. 12

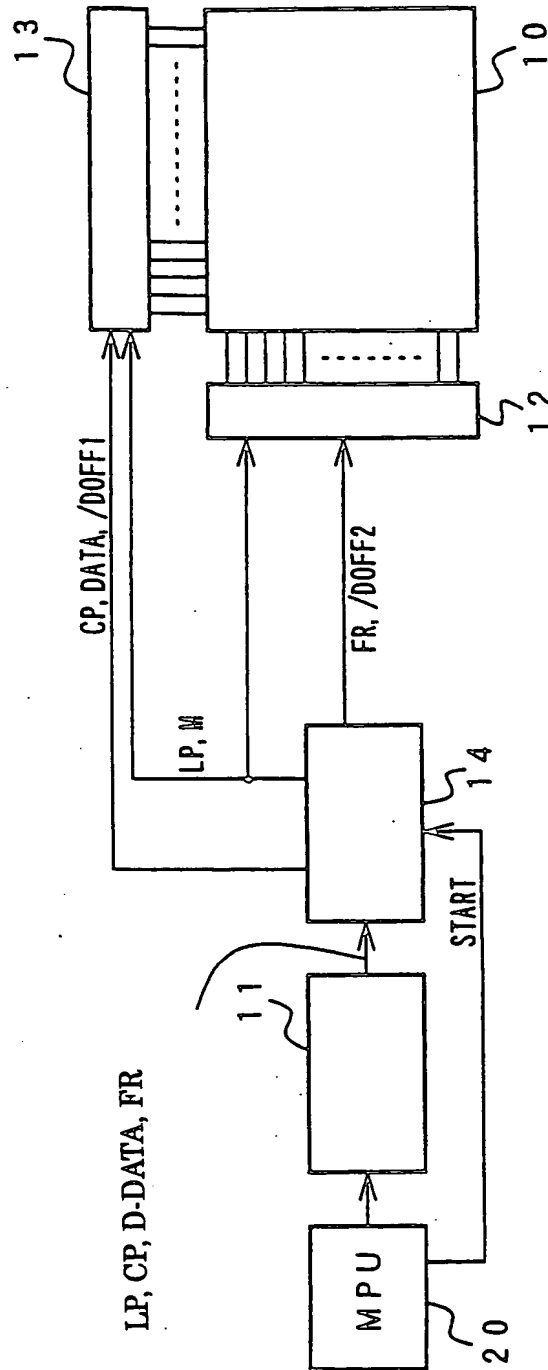
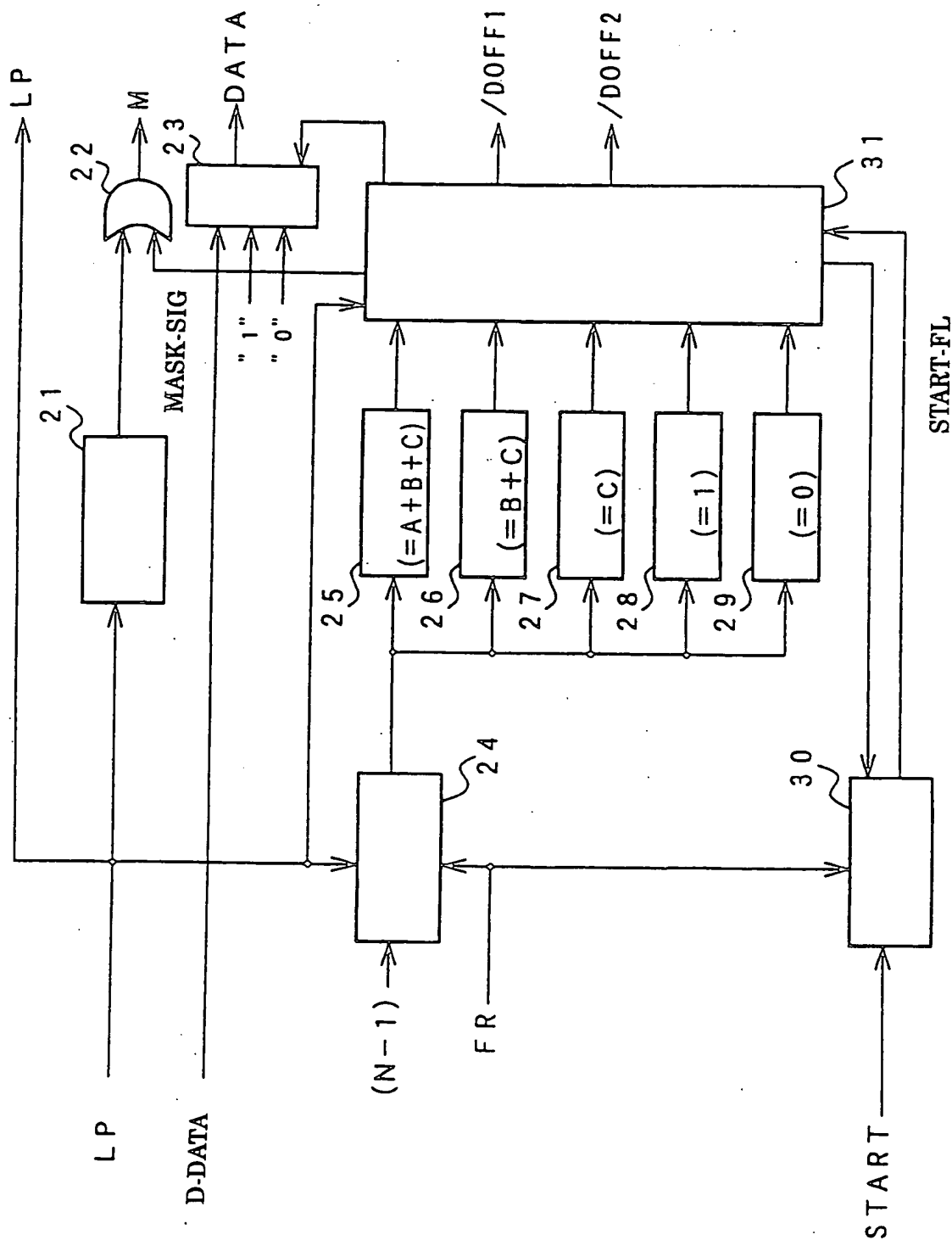


FIG. 12

Fig. 13



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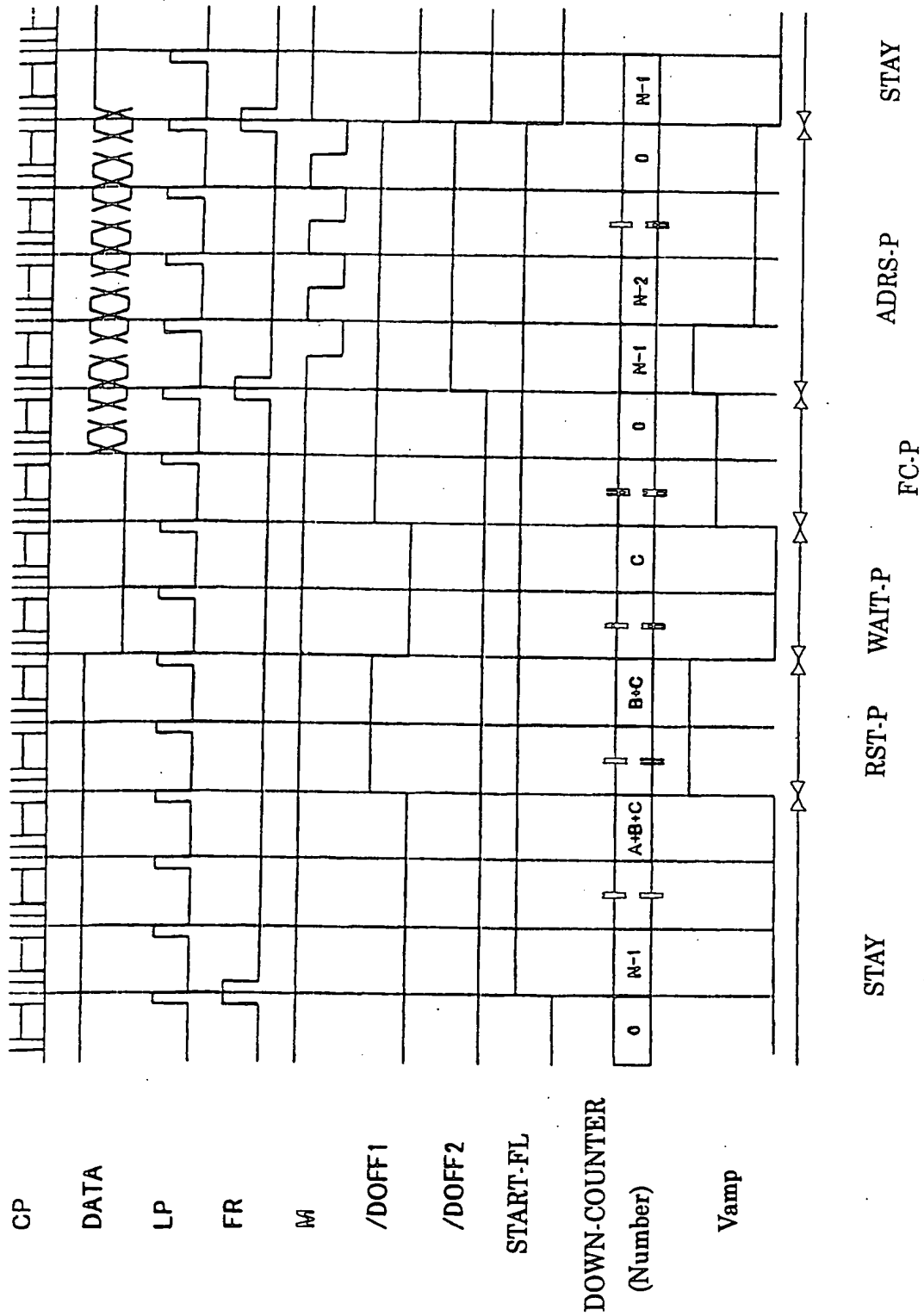


Fig. 15

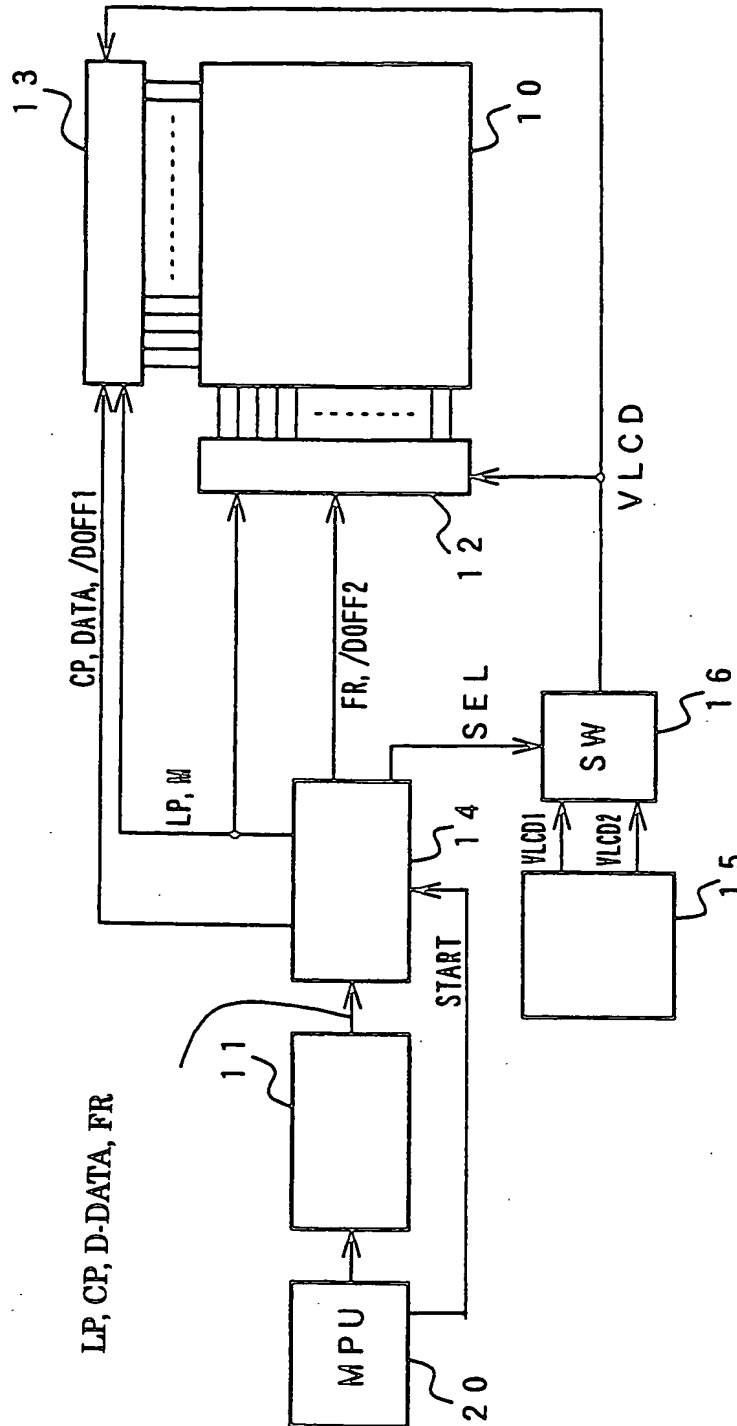
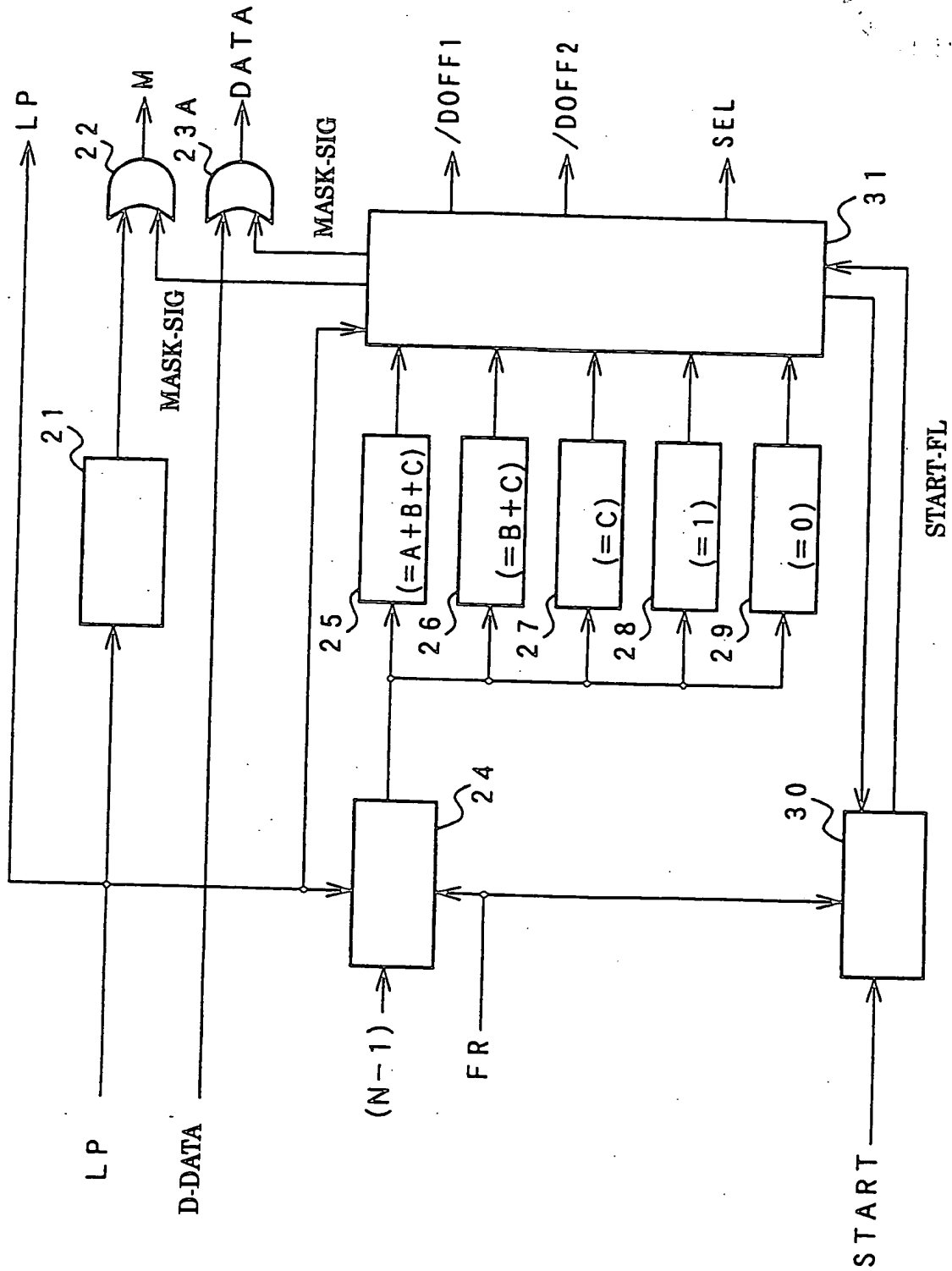


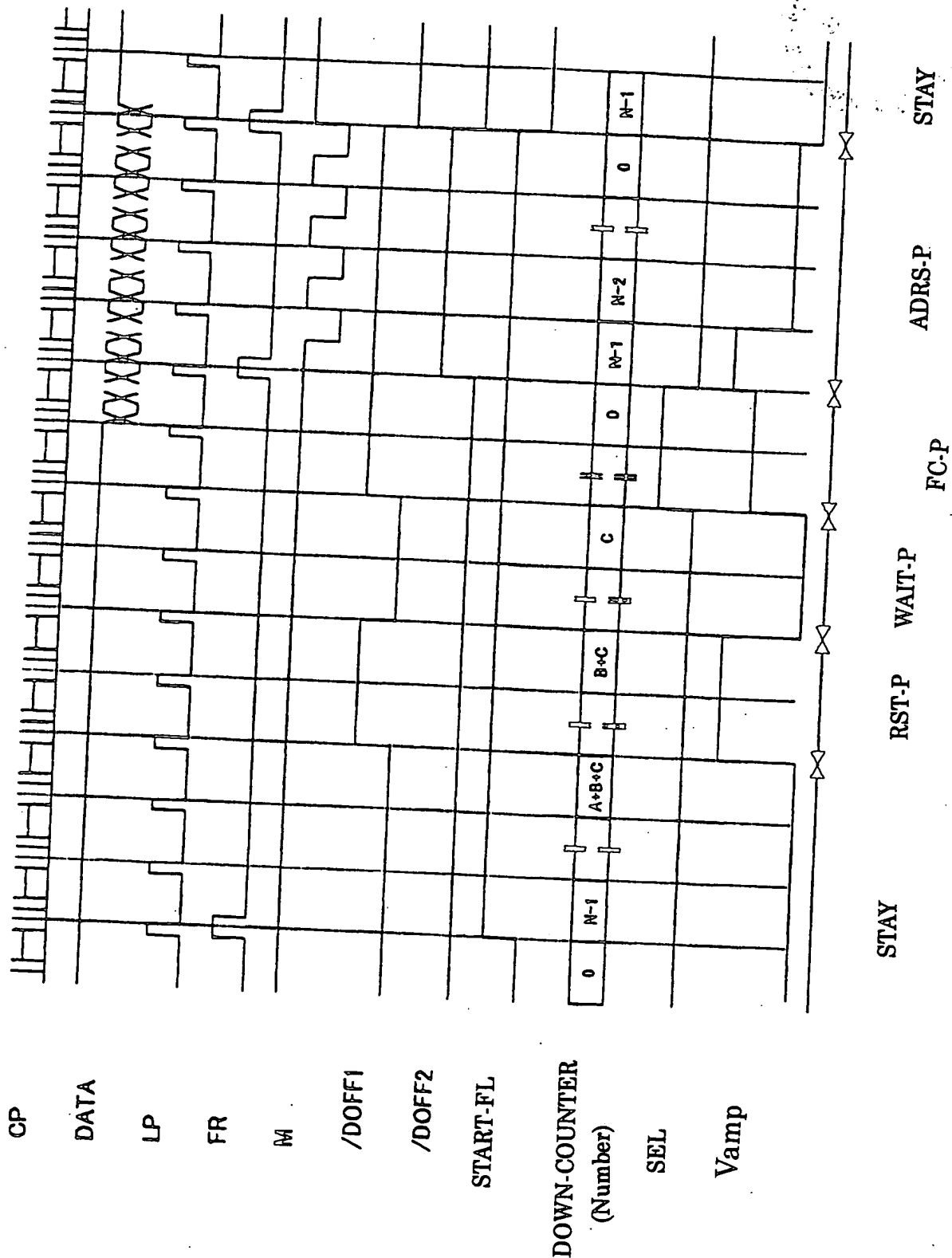
Fig. 16



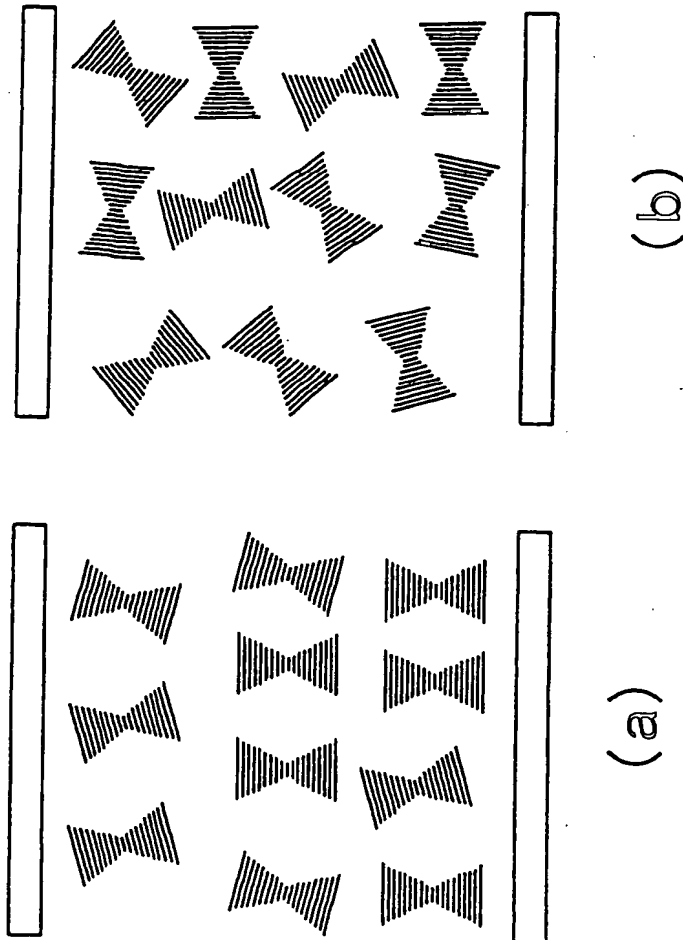
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Fig. 17



F i g. 18



F i g . 1 9

Pulse width and times for establishing a FC state

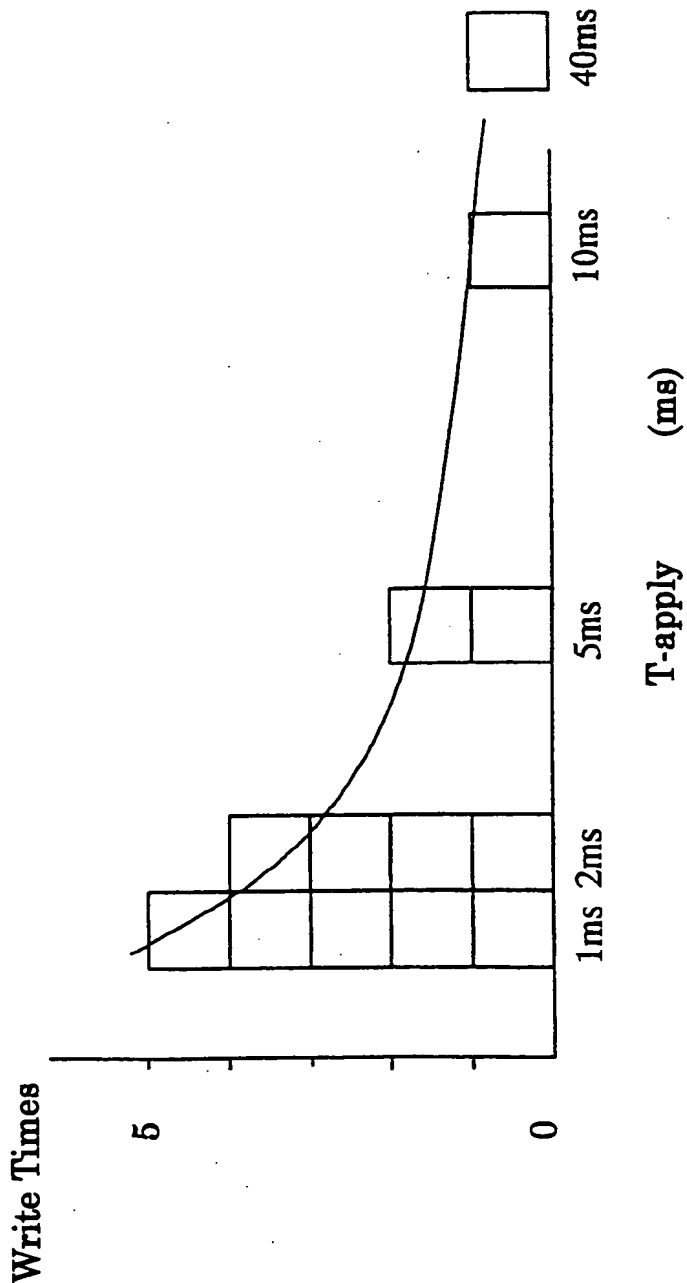


Fig. 20

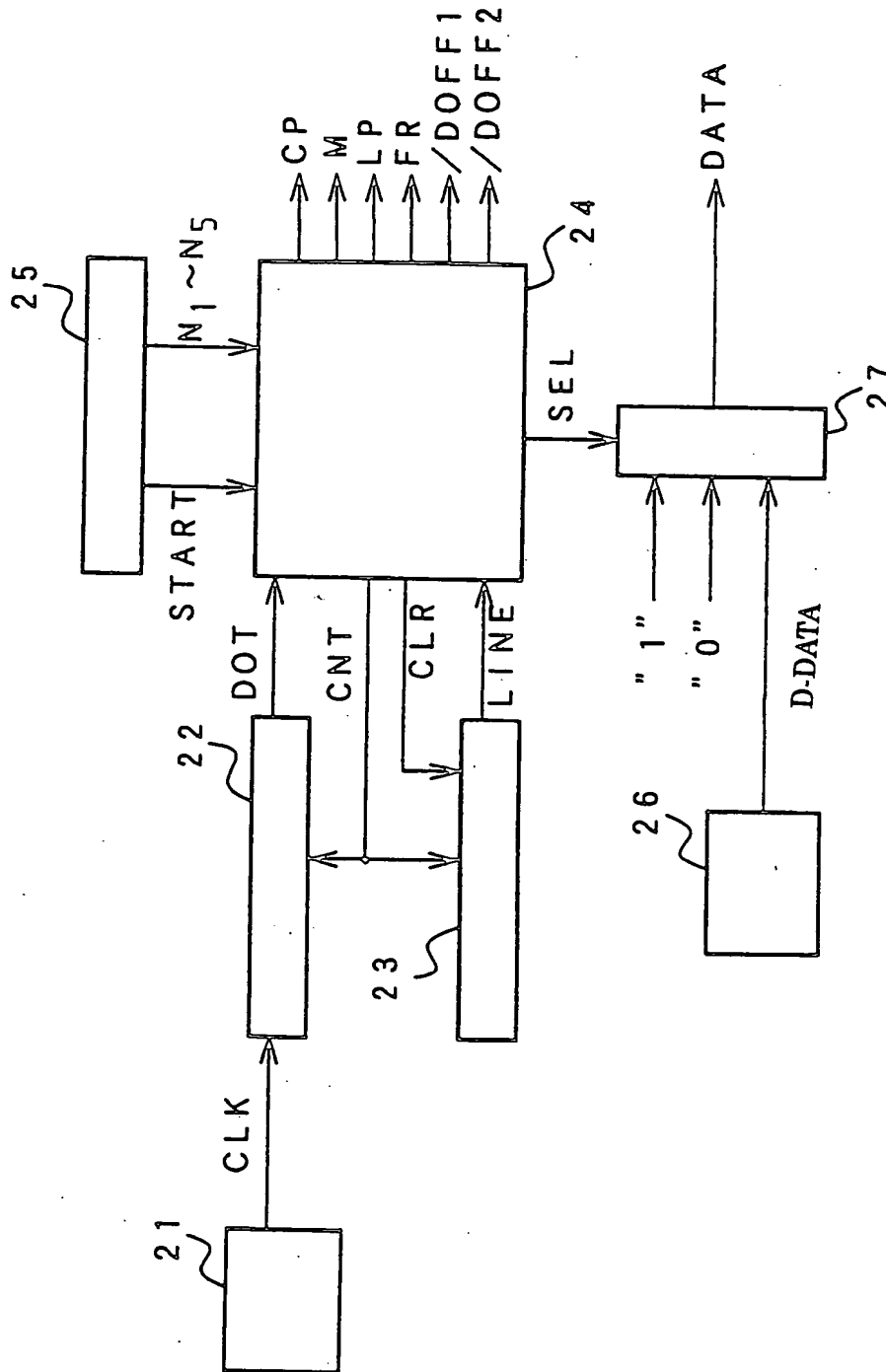


Fig. 21

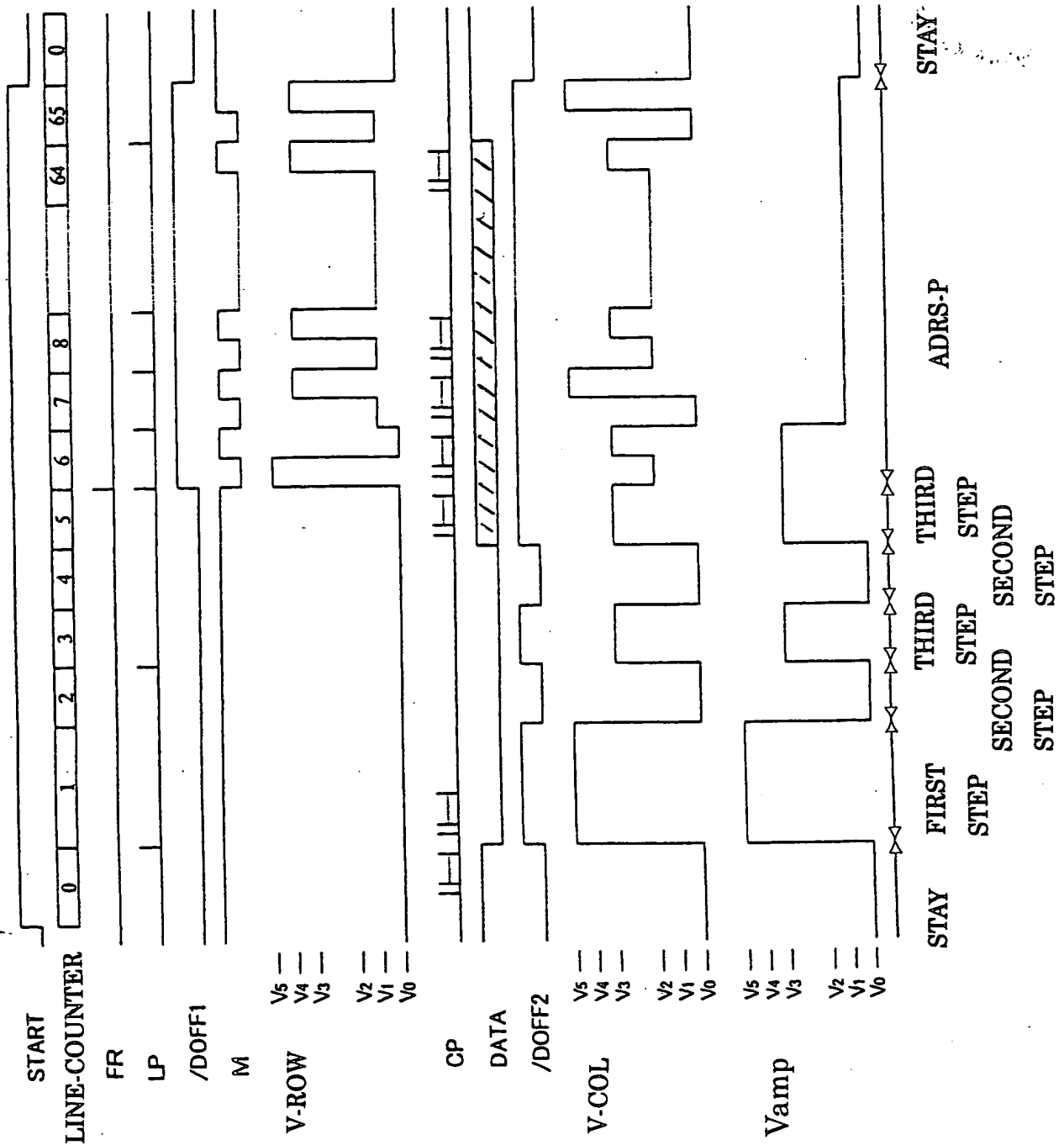


Fig. 22

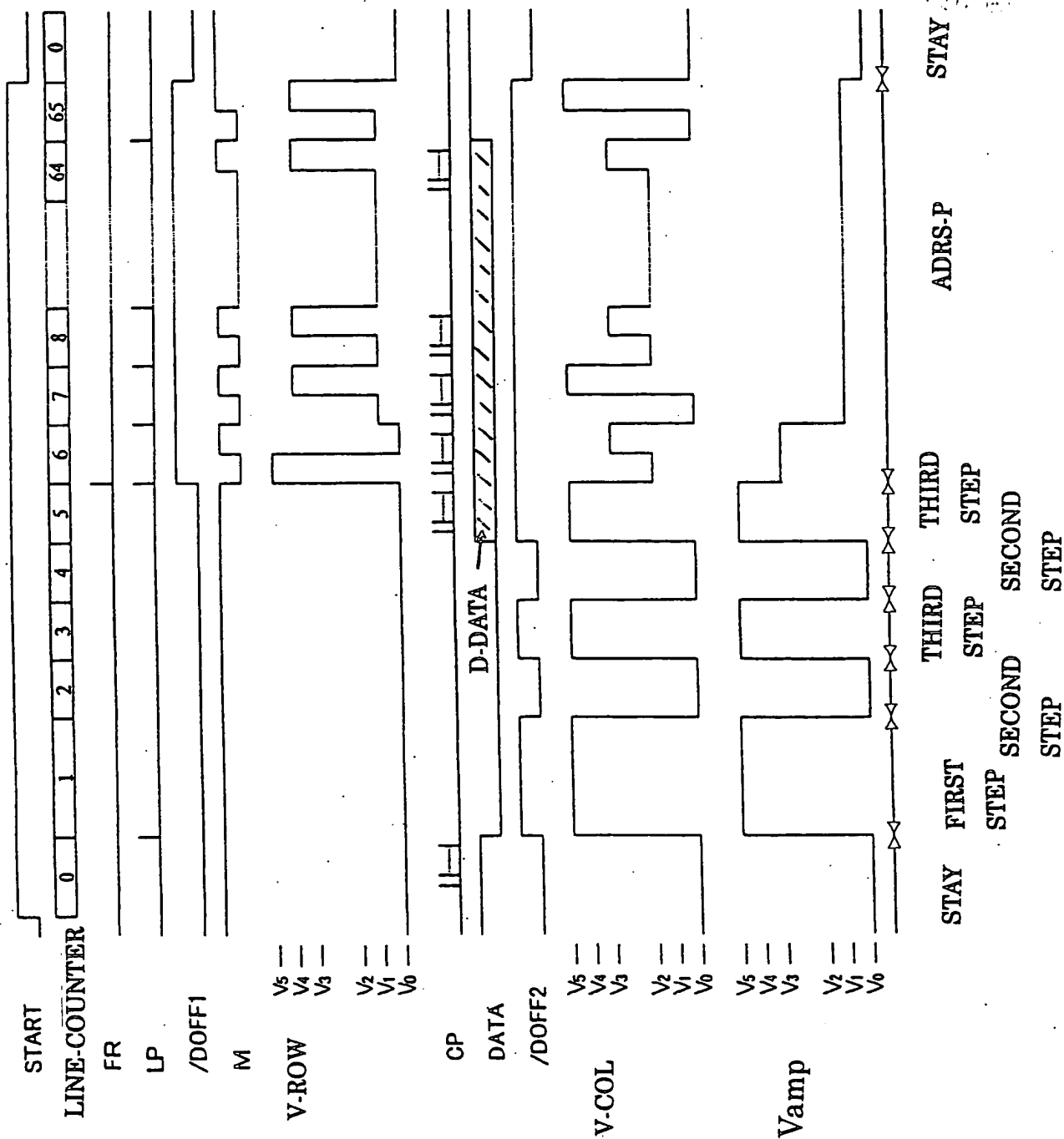


Fig. 23

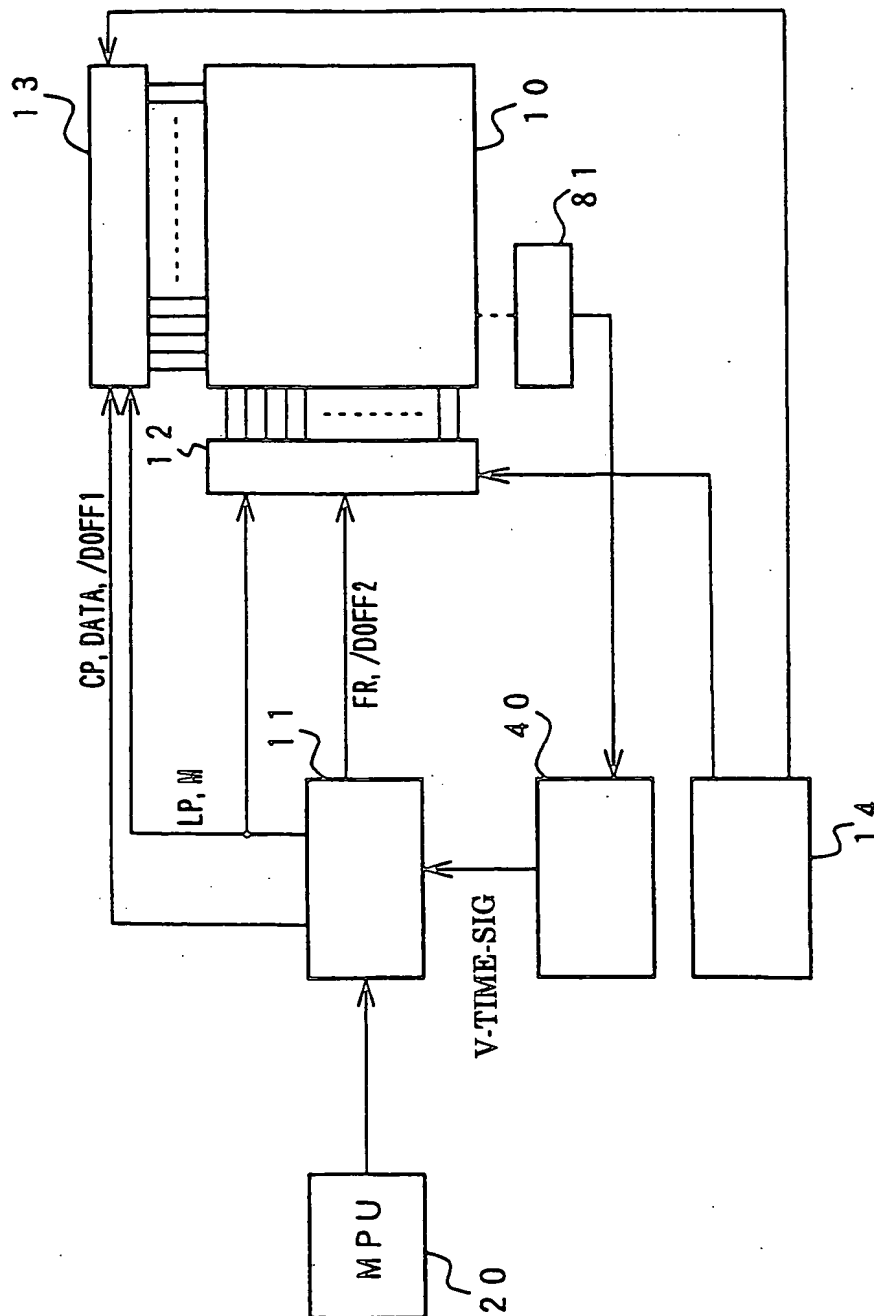


Fig. 24

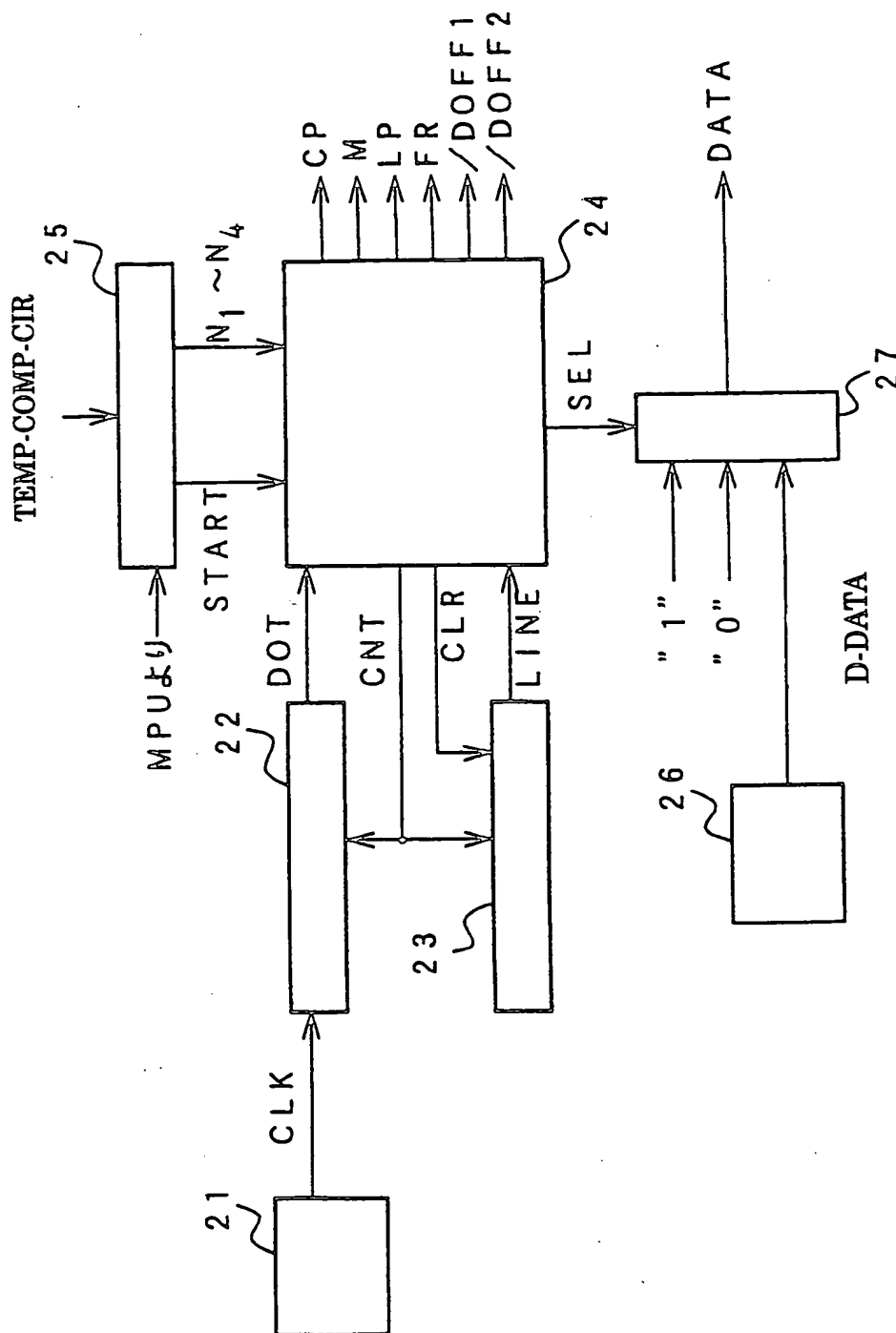
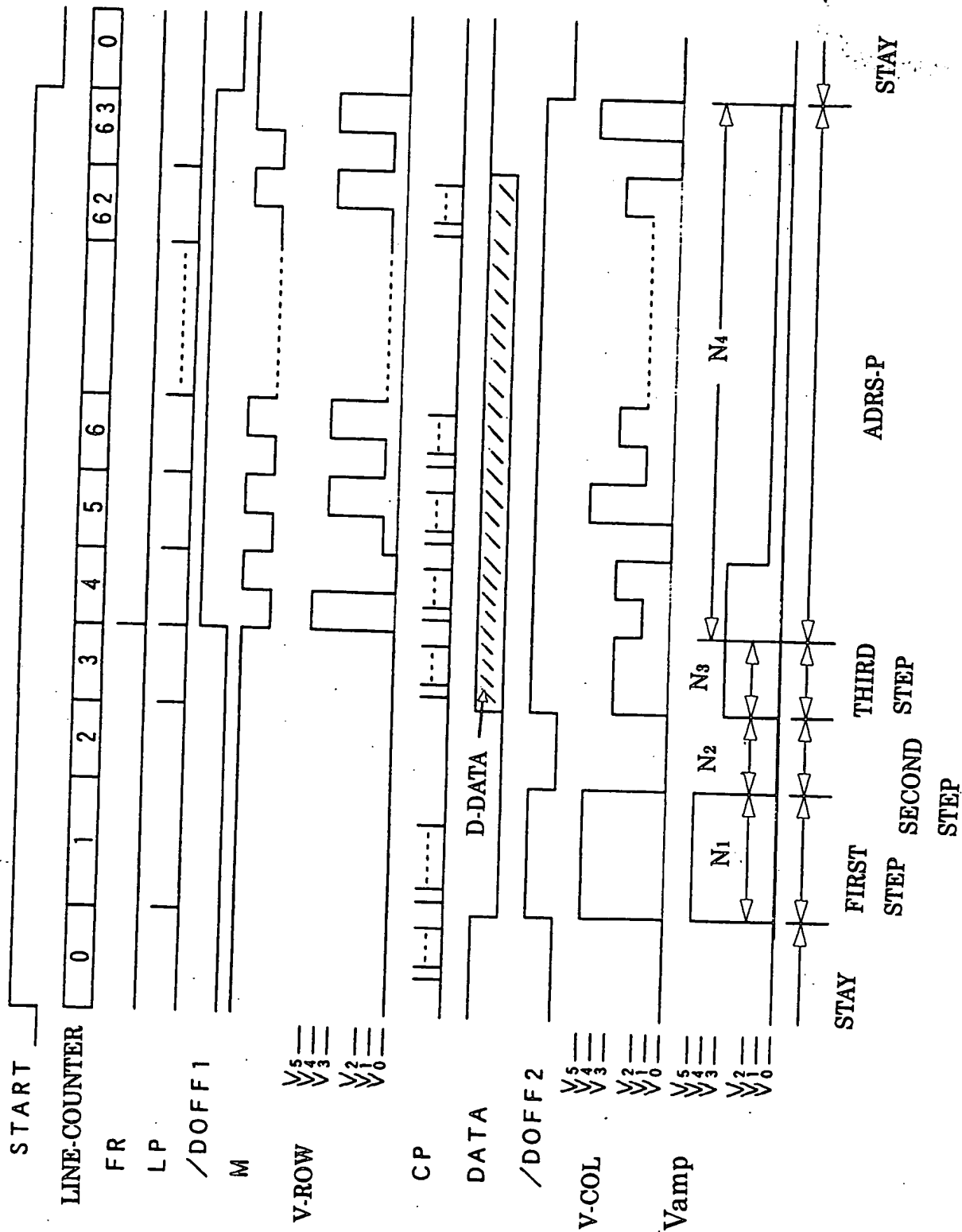


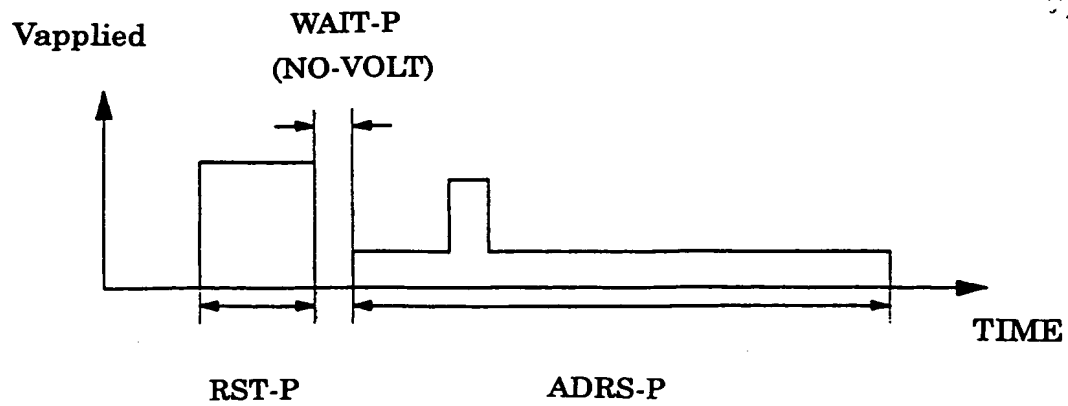
Fig. 25



Fig. 26



F i g . 2 7



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Fig. 28

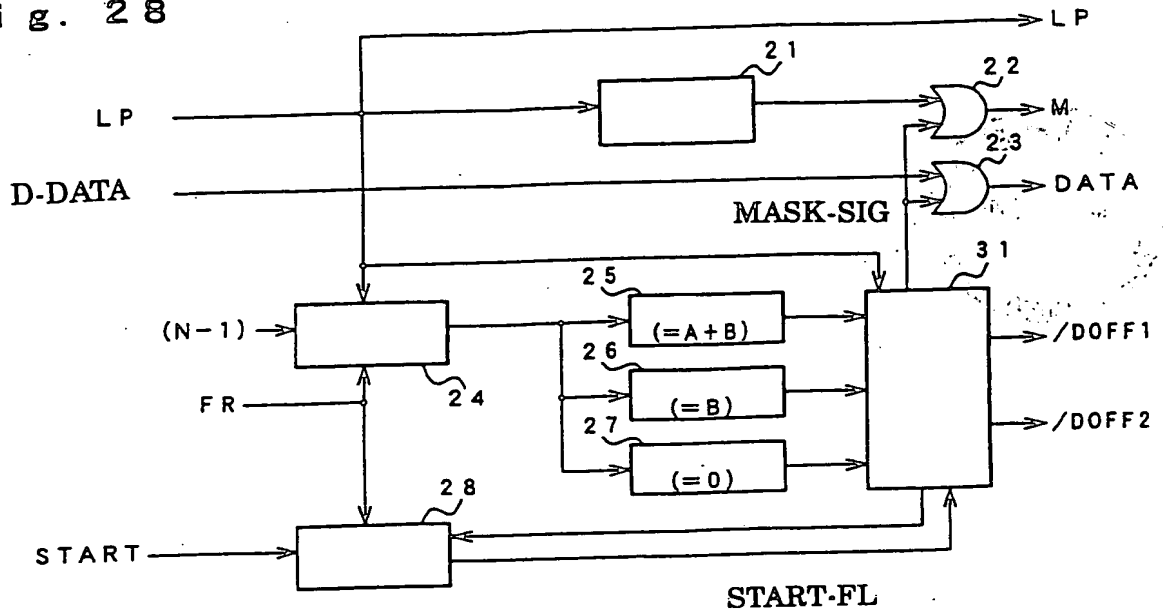


Fig. 29

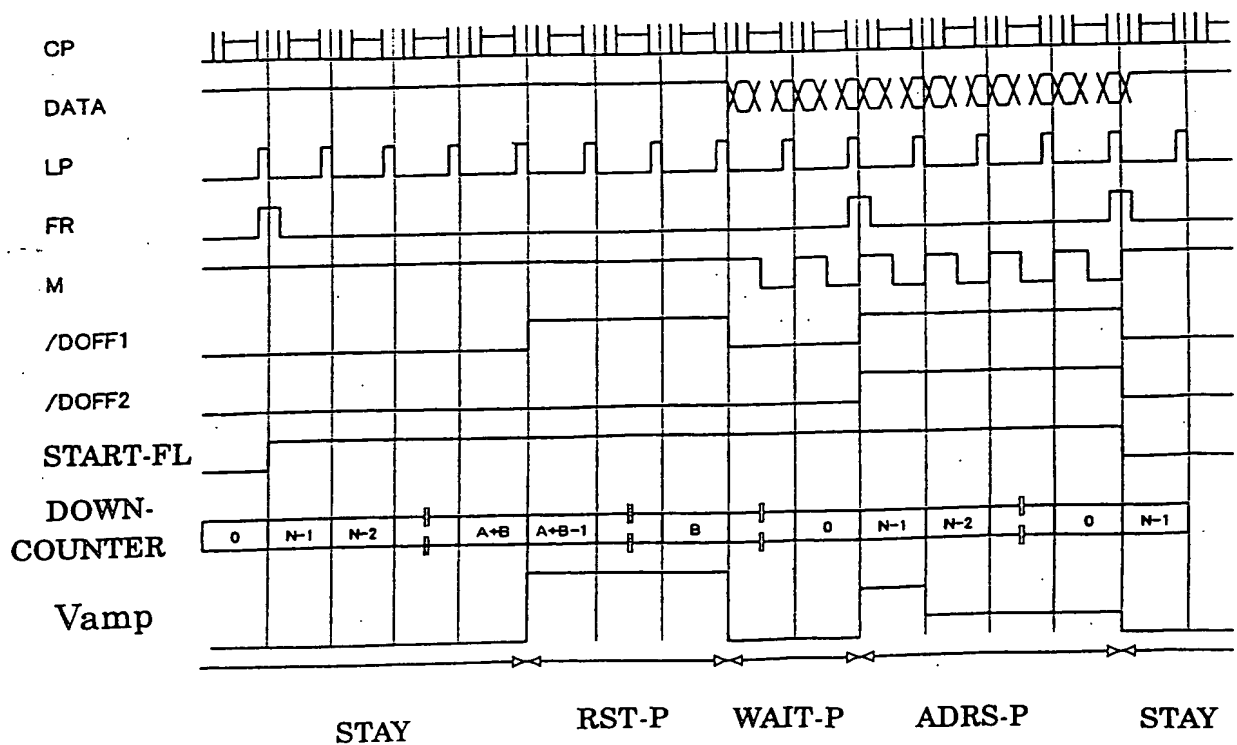


Fig. 30

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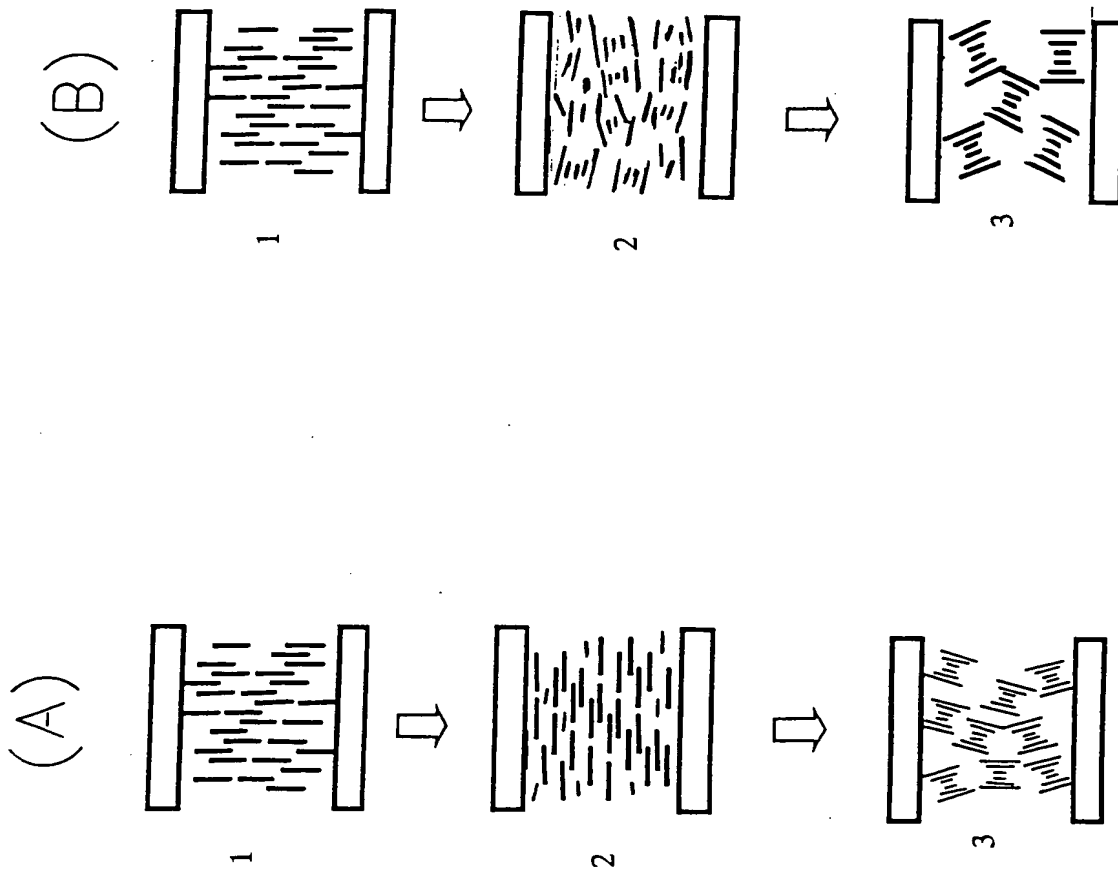
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